



Scoring:

1st place - 1 point  
2nd - 2 points  
3rd - 3 points  
4 - 4  
5 - 5  
etc. ..

## **Qualifying Age**

Junior: under 13

Senior: 13 to 40 years

Old: 41 years old and over

It is not polite to speak about girls' and womens' age. However, they can join any categories but they have to pick one.

## **Class ECO MINI TEAM**

Depending on the time schedule, the team competition will take place according to the following rules:

One team must consist of:

A) the three contestants and three ships, where each participant is allowed to control only one model boat. In each team there may be only 1 model built by the building rules ECO MINI EXP!!!! - (+1 2xSTD xEXP or 3xSTD). Propulsion batteries can not be changed and can not be used in a different model than that in which they were brought to the driveway!!

B) the two contestants and two ships, where each participant is allowed to control only one model boat. In each team there may be only 1 model built by the building rules ECO MINI EXP!!!!- (+1 1xSTD xEXP or 2xSTD). Propulsion batteries can not be changed and can not be used in a different model than in that in which they were brought to driveway!!

Additionally, using the third battery is not allowed.

Individual Teams will be constituted for the entire series. The composition can be changed provided that at least one member of the original composition will remain in the team. Each contestant may be a member of one team only. The team will be evaluated as a unit, regardless of individual contestants results.

The journey time is 6 minutes.

## **Fees:**

1st Category 200 CZK

2nd Category 100 CZK

3rd Team 50 CZK per person

**Building rules ECO Mini in a nutshell:**

(According to the Naviga existing rules)

Max. Ship length: 430 mm

Minimum weight of the ship: 450g

The body must bear a fixed bracket with the starting label.

The size of the starting label is: 80 mm x 80mm;

The color of the starting label is white (non transparent), the color of the starting number on the label is black and the size of the starting number on the label is 60mm.

**Authorized sources:**

NiMH: maximum of seven battery cells of a size 2/3AF

LiPo: maximum weight of the set is 110gr, connection 2S1P/3S1P or 2S2P/3S2P

A123: maximum of three cells of a size 18,650 or maximum of two cells of a size 26,650 (only manufacturer A123Racing)

**Engines:**

For class MINI ECO STANDARD

DC engine with ferrite magnets and three-pole armature orig size range 400 (eg, Graupner, MIG). The engine musn't be open, the timing of the engine is allowed. Using steel rings outside the engine is allowed, but they must be removable. Engines with an open shaft for coals accessible from the outside are not allowed.

For class MINI ECO EXPERT

Engines without restrictions

**Building rules ECO Expert:**

(According to the Naviga existing rules)

Minimum weight of the ship: 1000g

The body must bear a fixed bracket with the starting label.

The size of the starting label is: 80 mm x 80mm;

The color of the starting label is white (non transparent), the color of the starting number on the label is black and the size of the starting number on the label is 60mm.

**Authorized sources:**

NiMH: maximum of seven battery cells of a size SubC

LiPo: maximum weight of the set is 280gr, connection 2S1P/3S1P or 2S2P/3S2P

A123: maximum of 6 cells of a size 26650, connection 3S2P (only manufacturer A123Racing)

Engines without restrictions

**How to measure?**

Individual races and final races will be measured by an electronic calculating device AMB.

Personal transponders – chips – will be placed into the models. The model without any transponder can not be admitted to the race. It is not possible to use one transponder for more contestants or teams in one category. Each ship in the Team must have its own transponder.

**How to sign up for individual races?**

You can find all the information on our webpage in the section Mini ECO CUP. Propositions,

applications, start lists, results and evaluation can be found there. In order to sign up for the race, you must fill out and submit the application for each category separately. If you want to be a member of a team in any category, don't forget to fill out the name of team into the box ECO M Team for the particular category.

We are looking forward to seeing you soon.